COMBINED DECLARATION AND POWER OF ATTORNEY

OCT 0 2 2001

944-003.086 (Docket Number)

As a below named inventor, I hereby declare that:

- my residence, post office address and citizenship are as stated below next to my name;
- I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SOFT BIT COMPUTATION FOR A REDUCED STATE EQUALIZER,
- the specification of which is attached hereto unless the following box is checked:
 ☑. If the box is checked,

the application was filed on **August 13, 2001** as U.S. Application Number **09/928,927** or PCT International Application Number and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

	Prior Foreign Application		Priority Not Claimed
(Application Number)	(Country)	(Day/Month/Year Filed)	
(Application Number)	(Country)	(Day/Month/Year Filed)	

To the extent permitted by rule or law, I hereby incorporate by reference the Prior Foreign Application(s) listed above.

I hereby claim the benefits under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

(Provisional Application Number)	(Day/Month/Year Filed)
(Provisional Application Number)	(Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability, as defined in 37 CFR §1.56, which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number)	(Day/Month/Year Filed)	(Statuspatented, pending, abandoned)
(Application Number)	(Day/Month/Year Filed)	(Statuspatented, pending, abandoned)



I hereby appoint the attorney(s) and/or agent(s) assigned to the customer number listed below, as may from time to time be amended, belonging to the firm of Ware, Fressola, Van Der Sluys & Adolphson LLP, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



Address all telephone calls to: Ware, Fressola, Van Der Sluys & Adolphson LLP at (203) 261-1234. Address all correspondence to:



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

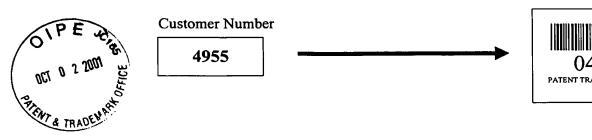
Andrei N Full name of sole or first inventor (given name, mice	IALKOV ddle initial, FAMILY NA	ME(S) IN UPPER CASE)	
Inventor's Signature	13.09.01 Date		
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Pekka K Full name of third inventor (given name, middle	AASILA e initial, FAMILY NAM	E(S) IN UPPER CASE)	
Inventor's Signature		Date	
Oulu, Finland Residence		Finnish Citizenship	

Additional inventors are being named on separately numbered sheets attached hereto.

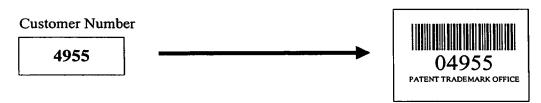
Post Office Address: Pihlajanmarjatie 26, FIN-90800 Oulu, Finland

Electronic POA Form

I hereby appoint the attorney(s) and/or agent(s) assigned to the customer number listed below, as may from time to time be amended, belonging to the firm of Ware, Fressola, Van Der Sluys & Adolphson LLP, to prosecute application and to transact all business in the Patent and Trademark Office connected therewith:



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Andrei MALKOV

Tun name of sole of first inventor (given name, initial, i Aivi	ET TOTALE(O) ET CIT ER CROE)	1	
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Heikki BERG Full name of second inventor (given name, middle initial, FAMIL)	Y NAME(S) IN UPPER CASE)]	
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name middle initial EAMILV NAME(S) IN LIDDED CASE)

Date

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page 2

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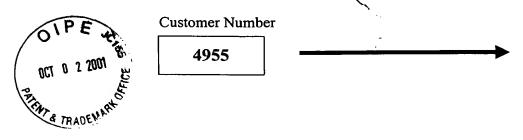
Inventor's Signature

Electronic POA Form

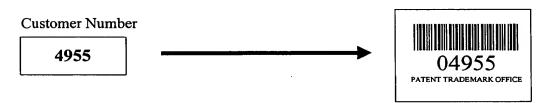


PATENT TRADEMARK OFFICE

I hereby appoint the attorney(s) and/or agent(s) assigned to the customer number listed below, as may from time to time be amended, belonging to the firm of Ware, Fressola, Van Der Sluys & Adolphson LLP, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:



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Pekka KAA Full name of third inventor (given name, middle initi		
rekil	11.09.2001	
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Additional inventors are being named on separately numbered sheets attached hereto.

11.09.0 PK

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Full name of seventh inventor (given name, mic	dle initial, FAMILY NAME(S) I	UPPER CASE)
Lucial de Cimphure		Date
Inventor's Signature Residence		Citizenship
Post Office Address:		
Full name of eighth inventor (given name, mid	dle initial, FAMILY NAME(S) IN	UPPER CASE)
		Date
Inventor's Signature		Date
Residence		Citizenship
Post Office Address:		

Additional inventors are being named on separately numbered sheets attached hereto.